

CLAIMS:

1. A metal halide lamp comprising a substantially cylindrical discharge vessel (3) having an internal diameter D_i and filled with an ionizable filling, wherein two electrodes (4, 5) are present at a mutual distance EA for maintaining a discharge in the discharge vessel (3), and wherein $EA/D_i > 4$, characterized in that the ionizable filling contains PrI_3 .
- 5 2. A lamp according to claim 1, wherein the filling further contains NaI , and wherein the molar ratio NaI/PrI_3 lies between 3 and 30, preferably between 4 and 20, more preferably between 5 and 12.
- 10 3. A lamp according to claim 1 or 2, wherein the discharge vessel (3) contains between 0.15 and 1.5 mg/cm^3 PrI_3 , preferably between 0.2 and 1.0 , more preferably between 0.25 and 0.6 mg/cm^3 .
- 15 4. A lamp according to claim 1, 2 or 3, wherein the filling further comprises Hg , and wherein the Hg -pressure during operation in the discharge vessel (3) lies between 5 and 40 bar, preferably between 10 and 25 bar, and more preferably is approximately 15 bar.
- 20 5. A lamp according to any of the preceding claims, wherein the wall load value of the discharge vessel (3) between the electrodes (4, 5) in practice is more than 10 W/cm^2 , preferably more than 20 W/cm^2 , more preferably more than 30 W/cm^2 .
6. A lamp according to any of the preceding claims, wherein the discharge vessel (3) has a ceramic wall.
- 25 7. A lamp according to any of the preceding claims, wherein the internal diameter D_i is less than 5 mm.